

ABSTRACT

An optical interference color display comprising a transparent substrate, an inner-front optical diffusion layer, a plurality of first electrodes, a patterned support layer, a plurality of optical films and a plurality of second electrodes is provided. The inner-front optical diffusion layer is on the transparent substrate and the first electrodes are on the inner-front optical diffusion layer. The patterned support layer is on the inner-front optical diffusion layer between the first electrodes. The optical film is on the first electrodes and the second electrodes are positioned over the respective first electrodes. The second electrodes are supported through the patterned support layer. Furthermore, there is an air gap between the second electrodes and their respective first electrodes.